

01-08-02

PTO/SB/01 (10-01)

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration  
Submitted  
with Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number	P 5340.11008
First Named Inventor	Peter S. Shifflett
<b>COMPLETE IF KNOWN</b>	
Application Number	/
Filing Date	
Art Unit	
Examiner Name	

As the below named Inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Apparatus and Method for Remotely Sensing Hydrocarbons and Other Pollutants in Vehicle Emissions

*(Title of the Invention)*

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)   as United States Application Number or PCT International

Application Number   and was amended on (MM/DD/YYYY)   (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> YES <input type="checkbox"/> NO

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2] 3

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**DECLARATION — Utility or Design Patent Application**

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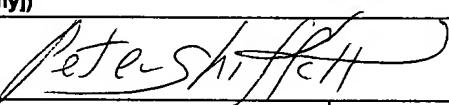
Name **William A. Birdwell**  
**Durando Birdwell & Janke, P.L.C.**

Address **2929 E. Broadway Blvd.**

City	Tucson	State	AZ	ZIP	85716
Country	USA	Telephone	520-881-9442		
			Fax	520-881-9448	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

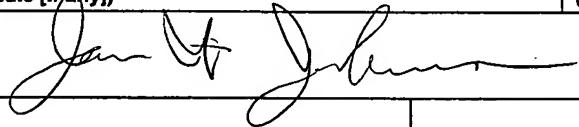
NAME OF SOLE OR FIRST INVENTOR:  A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Peter S.		Family Name or Surname	Shifflett	
Inventor's Signature				Date 11/9/01	
Residence: City	Tucson	State	AZ	Country	USA
				Citizenship	USA

Mailing Address **2750 W. Tippecanoe Trail**

City	Tucson	State	AZ	ZIP	85745	Country	USA
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NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	James H.		Family Name or Surname	Johnson	
Inventor's Signature				Date 11/09/2001	
Residence: City	Tucson	State	AZ	Country	USA
				Citizenship	USA

Mailing Address **7887 N. LaCholla Boulevard, Apt. 1105**

City	Tucson	State	AZ	ZIP	85741	Country	USA
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Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box →

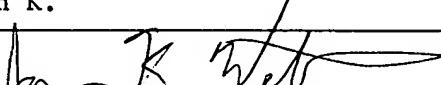
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## DECLARATION

### ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 3

<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Jason K.		Webster	
Inventor's Signature			Date <u>11/9/2001</u>
Residence: City	Tucson	State	AZ
Country	USA	Citizenship	USA
Mailing Address 8876 N. Bottlebush Lane			
Mailing Address			
City	Tucson	State	AZ
ZIP	85742	Country	USA
<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature			Date
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country
<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature			Date
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

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PTO/SB/81 (02-01)

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Peter S. Shifflett
Title	Apparatus and Method*
Group Art Unit	
Examiner Name	
Attorney Docket Number	P 5340.11008

I hereby appoint:

Practitioners at Customer Number



Place Customer  
Number Bar Code  
Label here

OR

Practitioner(s) named below:

Name	Registration Number
William A. Birdwell	27,181
Antonio R. Durando	28,409
Garth E. Janke	40,662
Gavin J. Milczarek-Desai	45,801

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

Practitioners at Customer Number



Place Customer  
Number Bar Code  
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OR

Firm or  
Individual Name

William A. Birdwell

Address

Durando Birdwell & Janke, P.L.C.

Address

2929 E. Broadway Blvd.

City

Tucson

State

AZ

Zip

85716

Country

USA

Telephone

520-881-9442

Fax

520-881-9448

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name *Dennis Smith, President MD LaserTech LLC*

Signature *Dennis Smith*

Date *11-9-01*

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

Total of 1 forms are submitted.

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\*for Remotely Sensing Hydrocarbons and Other Pollutants in Vehicle Emissions

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Peter S. Shifflett, James H. Johnson and Jason K. WebsterApplication No./Patent No.:   Filed/Issue Date:  Entitled: Apparatus and Method for Remotely Sensing Hydrocarbons and Other Pollutants in Vehicle Emissions

MD LaserTech LLC, a limited liability corporation of Arizona

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

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Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

**[NOTE]** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

11-9-01  
Date

Dennis Smith

Typed or printed name



President

Title

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